

CLAIMS

What is claimed is:

1. A unitary insulated wall for a mobile platform, the wall comprising:

5 a first layer including an insulation material; and
a second layer including a flexible material having an outer face defining a decorative pattern and an inner face attachable to the first layer;
wherein the wall is mountable in the mobile platform such that the outer face of the second layer defines an innermost facing surface.

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2. The wall of Claim 1, wherein the insulation material of the first layer comprises a fibrous glass material.

3. The wall of Claim 2, wherein the fibrous glass material is enclosable
15 within a polymeric film defining an insulation bag, the insulation bag attachable to the inner face of the second layer.

4. The wall of Claim 1, wherein the insulation material of the first layer comprises an insulation foam material.

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5. The wall of Claim 1, wherein the first layer comprises a plurality of insulation layers having a plurality of the insulation materials, including at least a fibrous glass material and an insulation foam material.

25 6. The wall of Claim 1, comprising a preassembly configuration having both the first layer and the second layer together formable as a coiled roll.

7. The wall of Claim 1, wherein the second layer comprises a cloth material.

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8. The wall of Claim 1, wherein the second layer comprises a polymeric material.

9. The wall of Claim 1, wherein the second layer comprises a material capable of retaining a decorative dye.

10. The wall of Claim 1, wherein the inner face comprises a perimeter
5 region attachable to the first layer.

11. An insulated wall for a mobile platform, the wall comprising:
 - a first layer including an insulation material;
 - a second layer including a flexible material having an outer face defining a decorative pattern and an inner face attachable to the first layer;
 - 5 a plurality of wall mounting fasteners each connectable at a fixing end to only the first layer; and
 - each of the fasteners including a distal connecting end freely extending from the first layer in a direction facing away from the second layer, the distal connecting end operable to connectably join the wall to the mobile platform;
 - 10 wherein the wall is connectable to the mobile platform such that the outer face of the second layer defines an innermost facing surface of the mobile platform.
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12. The wall of Claim 11, wherein each distal connecting end operably forms a releasable connection.
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13. A mobile platform, comprising:
an exterior skin defining at least one interior compartment;
a composite wall conformable to a shape of the exterior skin and
connectable to the exterior skin within the interior compartment; and
5 the composite wall including at least one insulation layer and a
flexible layer attachable to the insulation layer;
wherein the flexible layer operably forms an interior boundary
surface of the interior compartment when the composite wall is connected to the
exterior skin having the insulation layer facing the exterior skin.

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14. The mobile platform of Claim 13, wherein the exterior skin further
comprises:
at least two structural members; and
a cavity formed between adjacent ones of the structural members.

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15. The mobile platform of Claim 14, wherein the composite wall
defines a continuous cross section having an insulation layer outer face
supportable by an interior facing surface of each of the structural members.

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16. The mobile platform of Claim 14, wherein the composite wall
defines a discontinuous cross section having a first portion of the insulation layer
supportable by an interior facing surface of the structural members and a second
portion of the insulation layer disposed within the cavity formed between the
adjacent ones of the structural members.

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17. The mobile platform of Claim 13, wherein the flexible layer
comprises a polymeric material having a decorative pattern formed thereon.

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18. The mobile platform of Claim 13, wherein the flexible layer
comprises a cloth material having a decorative pattern formed thereon.

19. The mobile platform of Claim 13, comprising a plurality of apertures formed through the composite wall, each positionable corresponding to one of a plurality of windows mountable on the exterior skin.

5 20. The mobile platform of Claim 19, comprising a window trim unit connectable to a structure of each of the windows to operably seal each of the plurality of apertures about each of the windows.

21. A method for insulating a compartment of a mobile platform using a one piece insulated wall having a flexible material layer attachable to an insulation layer, the method comprising the steps of:

5 forming a decorative pattern on a first face of the flexible material layer;

attaching the insulation layer to a second face of the flexible material layer;

orienting the decorative pattern toward the interior compartment of the mobile platform; and

10 connecting the insulated wall to the mobile platform having the insulation layer facing an exterior surface of the mobile platform.

22. The method of Claim 21, comprising installing a plurality of fasteners in the insulation layer prior to the attaching step.

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23. The method of Claim 22, comprising aligning each of the plurality of fasteners to coincide with mounting structure of the mobile platform.

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24. The method of Claim 23, comprising releasably fastening the insulated wall to the mobile platform with the plurality of fasteners.

25. The method of Claim 21, comprising rolling the one piece insulated wall into a coiled form prior to the orienting step.

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26. The method of Claim 25, comprising unrolling the coiled form prior to the connecting step.

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27. The method of Claim 21, comprising forming a plurality of apertures in the insulated wall corresponding to each of a plurality of windows of the mobile platform prior to the orienting step.

28. The method of Claim 27, comprising applying one of a plurality of window trim pieces to each of the apertures following the connecting step.

29. The method of Claim 21, comprising forming the insulated wall in a plurality of sections.

5 30. The method of Claim 29, comprising applying one or a plurality of edge trim pieces between adjacent ones of the sections following the connecting step.

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